



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

RPC-1.85 according to	IEC 61169-32
RPC-1.85 mechanically compatible with	RPC-2.40
Waveguide	WR-15
Flange	UG-385/U

Material and plating

Connector parts

Center conductor
Outer conductor RPC-1.85
Waveguide

Material

CuBe
Stainless steel
Brass

Plating

Gold, min. 1.27 µm, over nickel
Passivated
Gold, min. 1.27 µm, over nickel

Adaptor
RPC-1.85 Jack – Waveguide WR-15

08K620-385

Electrical data

Impedance 50 Ω
 Frequency 50 GHz to 70 GHz
 Return loss ≥ 18 dB, 50 GHz to 70 GHz
 Insertion loss ≤ 0.6 dB, 50 GHz to 70 GHz

Mechanical data

Mating cycles RPC-1.85 ≥ 500
 Maximum torque RPC-1.85 1.70 Nm
 Recommended torque RPC-1.85 0.90 Nm
 Recommended torque WR15 1.10 Nm
 Gauge RPC-1.85 0.00 mm to 0.05 mm

Environmental data

Temperature range - 40 °C to +85 °C
 RoHS compliant

Packing

Standard 1 pce in box
 Weight 19 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Marcel Panicke	11.02.19	Markus Müller	13.03.19	a00	19-s088	Marion Striegler	13.03.19

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